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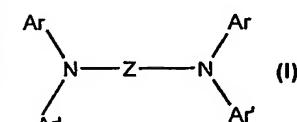
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(54) Title: HALOGENATED BISDIARYLAMINOPOLYCYCLIC AROMATIC COMPOUNDS AND POLYMERS THEREOF



(57) Abstract: A halogenated bisdiarylaminopolycyclic aromatic compound, polymers made therefrom, and polymeric light emitting diode devices using the polymers are described. The halogenated compound is represented by formula (I), wherein Ar and Ar' are each independently substituted or unsubstituted aryl groups and Z is a polycyclic arylene group, wherein at least one of the Ar' groups is a haloaryl group. Devices using polymers prepared from the halogenated compound exhibit improved performance and longer lifetime, presumably as a result

of the presence of the geometrically constrained diarylaminopolycyclic aromatic groups in the polymer backbone.

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